

DVD / AV RECEIVER

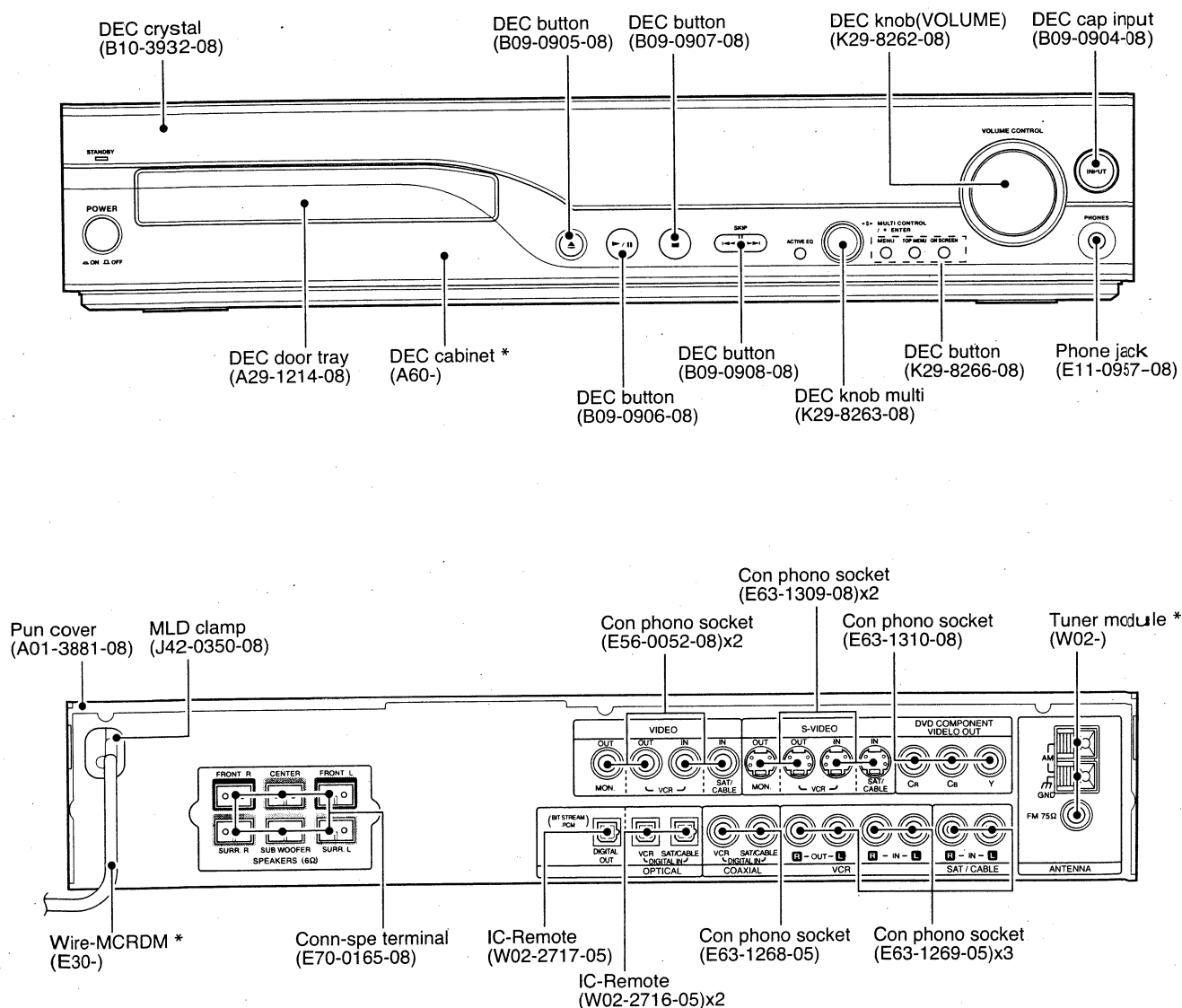
DVR-8100

SERVICE MANUAL

(DVT-8100)

KENWOOD

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B51-5824-00 (K/K) 1836



* Refer to parts list on page 24.

In compliance with Federal Regulations, following are reproduction of labels on, or inside the product relating to laser product safety.

Caution : No connection of ground line if disassemble the unit. Please connect the ground line on rear panel, PCBs, Chassis and some others.

KENWOOD Corp. certifies this equipment conforms to DHHS Regulations No.21 CFR 1040. 10, Chapter 1, subchapter J.

DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.



DVR-8100

CONTENTS / ACCESSORIES / CAUTIONS

Contents

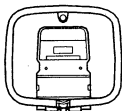
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Accessories

FM indoor antenna (1)
(T90-0882-08)



Loop antenna (1)
(T90-0896-08)



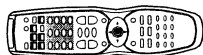
Video cord (1)
(E30-1427-05)



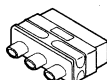
Speaker cords (6)
(E30-7265-08): RD
(E30-7286-08): WH
(E30-7285-08): VT
(E30-7283-08): GN
(E30-7269-08): GY
(E30-7284-08): BL



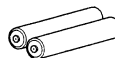
Remote control unit (1)
(A70-1600-08): X
(A70-1601-08): ET



SCART plug adaptor (1)
(Europe and U.K. only)
(E69-0012-05)



Batteries (R6/AA) (2)



SYSTEM CONFIGURATION

SYSTEM	MAIN UNIT	SPEAKER
DVT-8100	DVR-8100	KSW-8100

Cautions

Speaker model names

System	Speakers
DVR-8100	KSW-8100 (Left speaker, right speaker, center speaker, surround speakers and subwoofer)

Note related to transportation and movement

Before transporting or moving this unit, carry out the following operations.

- ① Remove the disc from the unit.
- ② Press the ►/II key.

- ③ Wait a few seconds and turn the unit OFF.



Manufactured under license from Dolby Laboratories. "DOLBY", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.



"DTS" and "DTS Digital Surround" are trademarks of Digital Theater Systems, Inc.

Operation to reset

The microcomputer may fall into malfunction (impossibility to operate, erroneous display, etc.) when the power cord is unplugged while power is ON or due to an external factor. In this case, execute the following procedure to reset the microcomputer and return it to normal condition.

Set the POWER switch to ON (set to Standby mode). Then press the ►/II key, ◀/I key and STOP key in this order.

- Please note that resetting the microcomputer clears the contents stored in and returns to condition when it left the factory.

The marking of products using lasers (For countries other than U.S.A., U.S.-Military and Canada)

CLASS 1
LASER PRODUCT

The marking this product has been classified as Class 1. It means that there is no danger of hazardous radiation outside the product.

Location: Back panel

CAUTION
VISIBLE LASER RADIATION
WHEN OPEN DO NOT
STARE INTO BEAM.

Inside this laser product, a laser diode classified as Class 2 laser radiation is contained as alerted by the internal caution label shown above. Do not stare into beam.

Location: DVD laser pick-up unit cover inside this product

CAUTION
INVISIBLE LASER RADIATION
WHEN OPEN DO NOT STARE
INTO BEAM OR VIEW DIRECTLY
WITH OPTICAL INSTRUMENTS

Inside this laser product, a laser diode classified as Class 3A laser radiation is contained as alerted by the internal caution label shown above. Do not stare into beam or view directly with optical instruments.

Location: CD laser pick-up unit cover inside this product

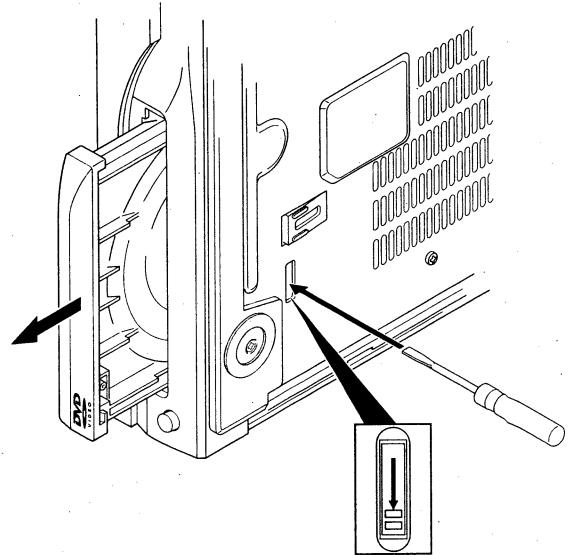
DVR-8100

DISASSEMBLY FOR REPAIR / BLOCK DIAGRAM

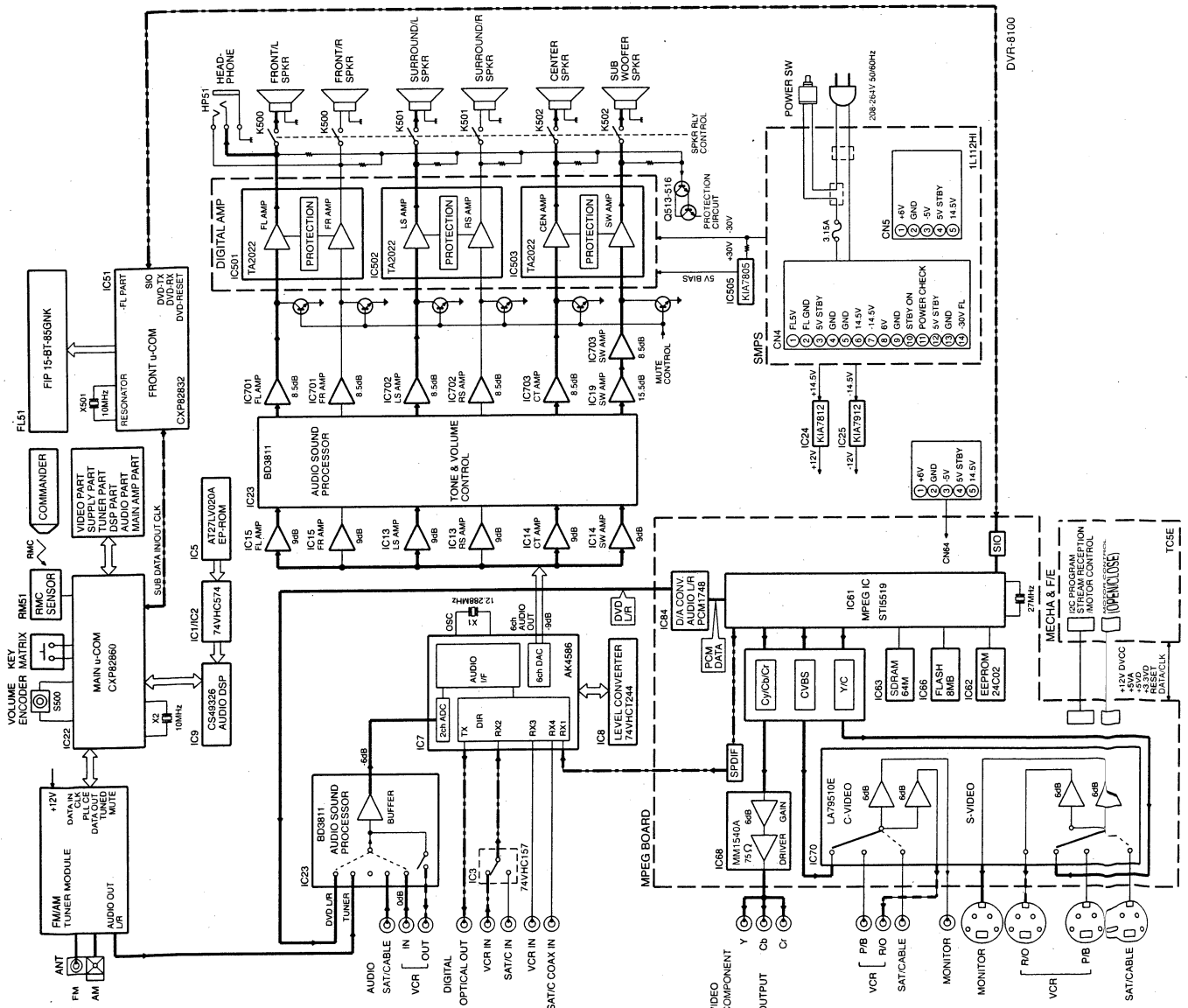
DISASSEMBLY FOR REPAIR

How to open the tray if it does not come out.

1. Insert a flat driver in the drawing through the hole on the loading chassis bottom and pull the lever down.
2. Pull out the tray frontward by hand when it comes just out.



BLOCK DIAGRAM



DVR-8100

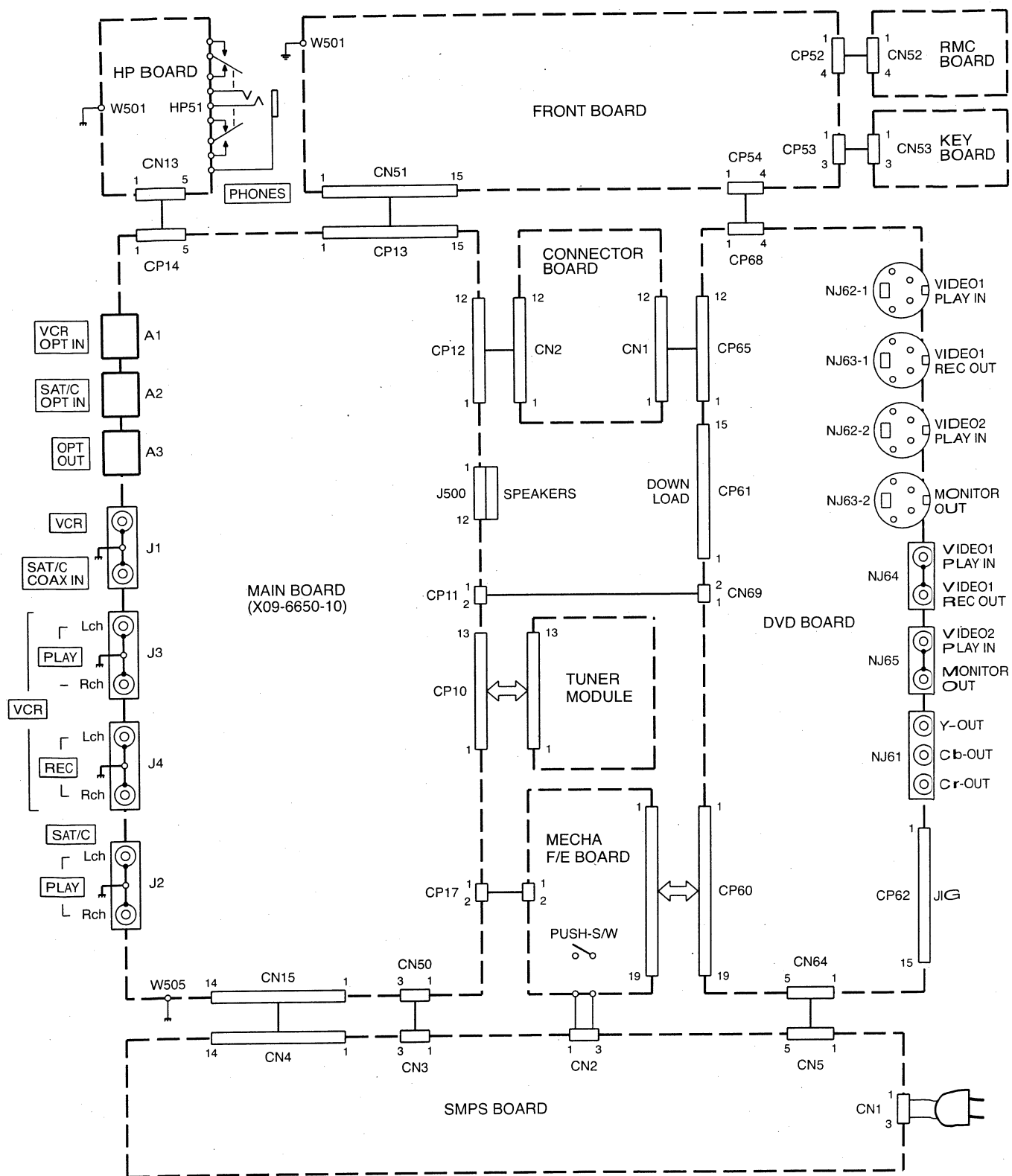
ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	AMPLIFIER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
Unless otherwise specified, the individual switches should be set as following:							
		POWER: ON		SELECTOR: EXCEPT TUNER			
1	OFF SET	—	Connect the DC voltmeter to speaker terminal (J500).	VOLUME: 0	*	Less than ±10mV Note: Adjust it as possible as minimum voltage (Approx: ±2mV)	

Channels	Alignment point	Speaker Terminal(J500) Pin No.
FL	VR1	3 (+) , 4 (-)
FR	VR2	11 (+) , 12 (-)
LS	VR3	1 (+) , 2 (-)
RS	VR4	9 (+) , 10 (-)
CENTER	VR5	7 (+) , 8 (-)
SW	VR6	5 (+) , 6 (-)

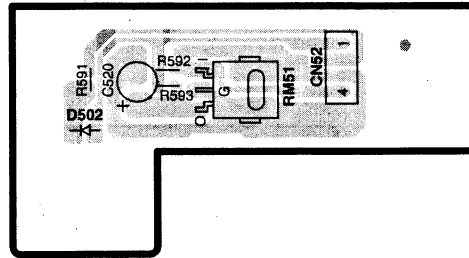
DVR-8100

INTERCONNECTION DIAGRAM

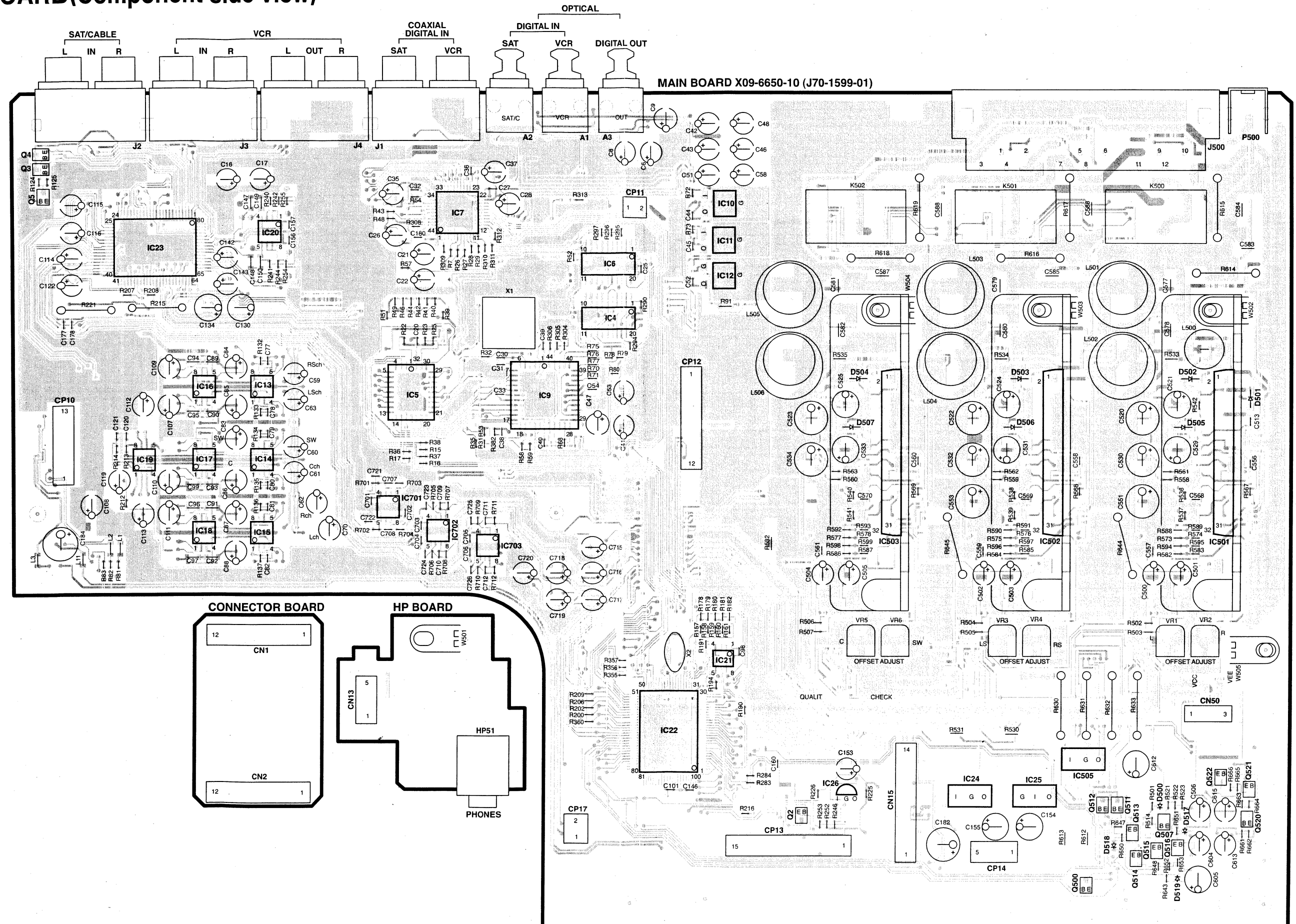


DVR-8100

REMOTE BOARD



PC BOARD(Component side view)



Z

AA

AB

AC

AD

AE

AF

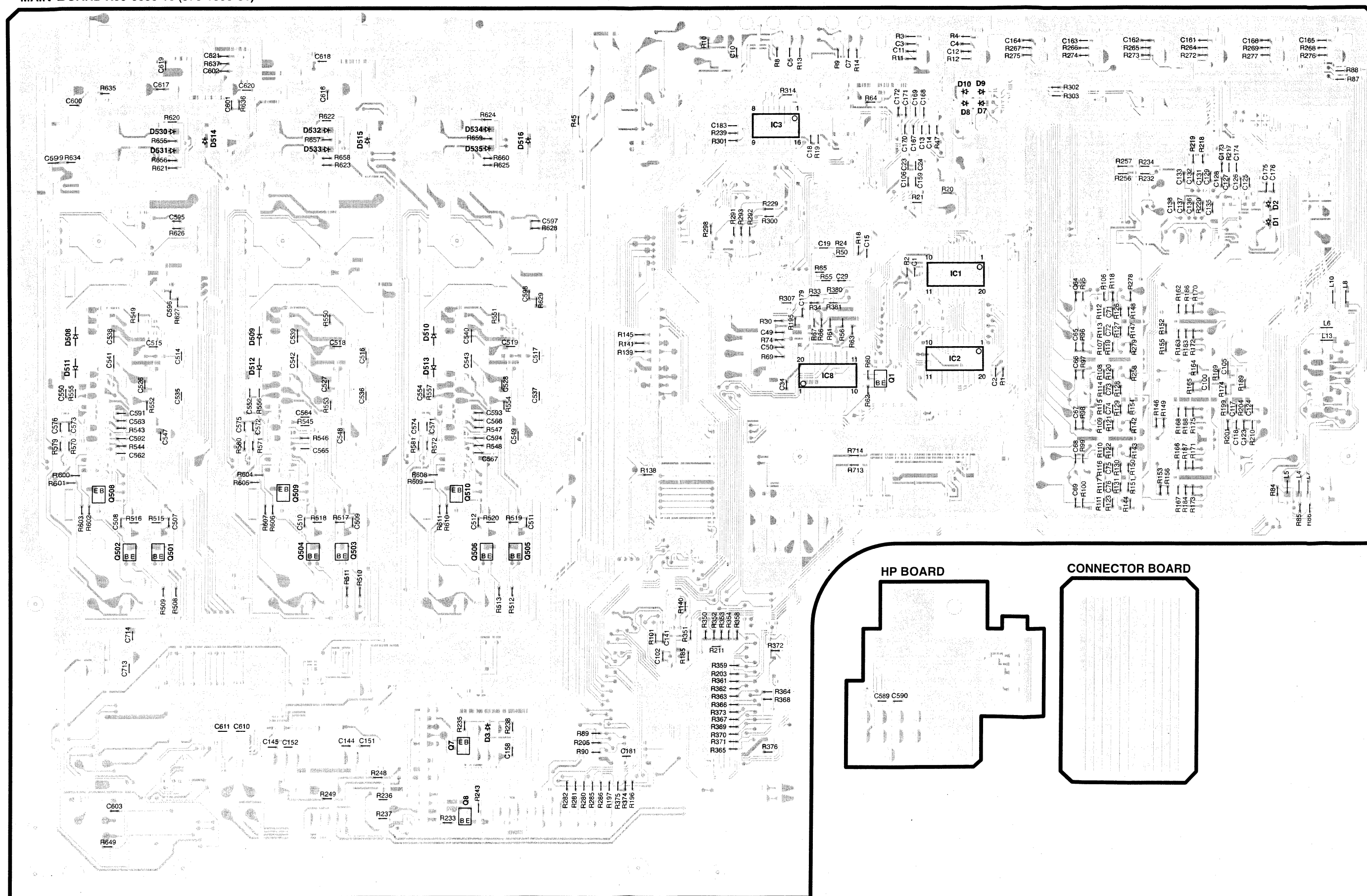
AG

AH

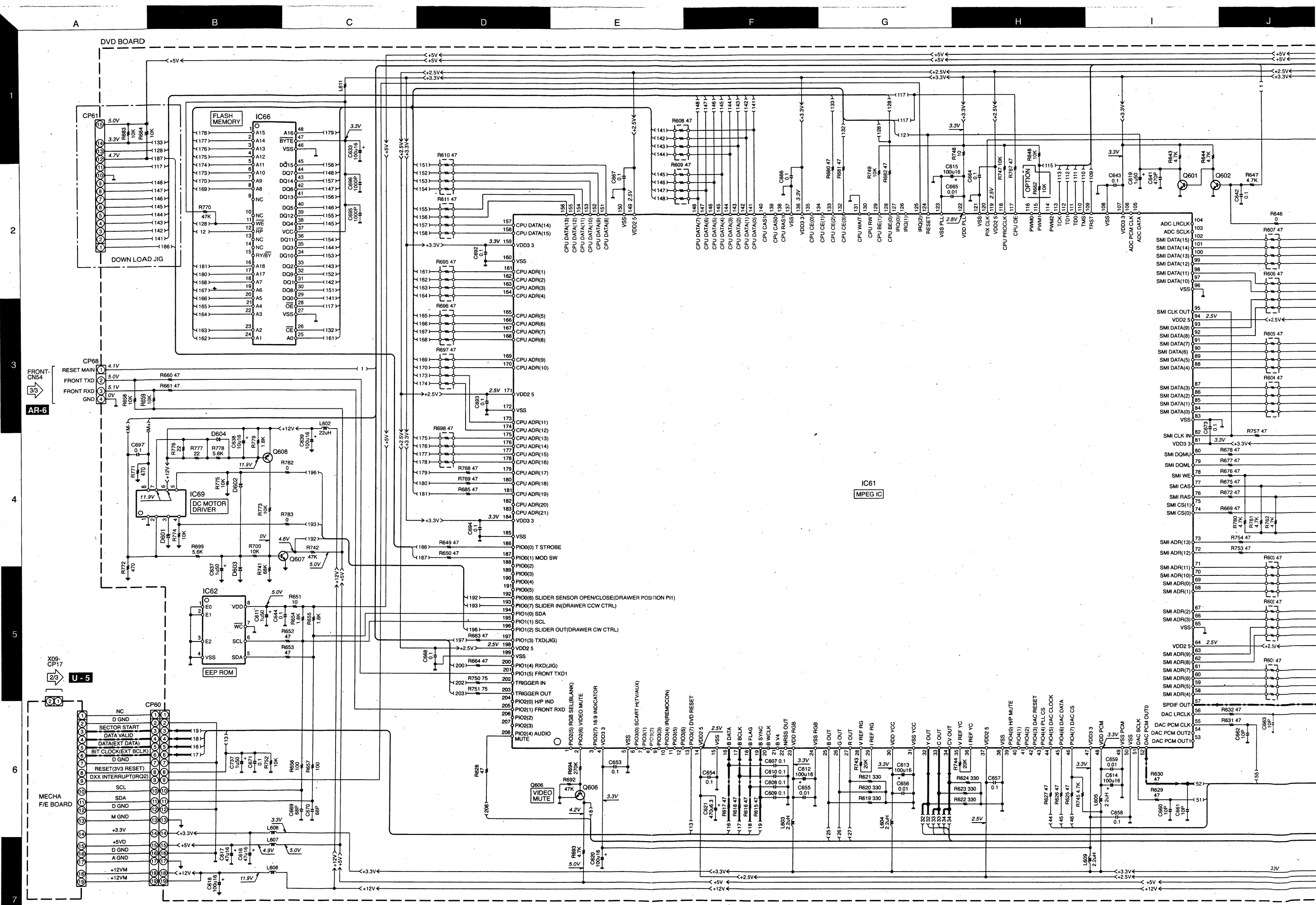
AI

PC BOARD(Component side view)

MAIN BOARD X09-6650-10 (J70-1599-01)



Refer to the schematic diagram for the value of resistors and capacitors.



2

3

4

5

6

7

AR-6

FRONT-CPN54

X09-CP17

MECHA F/E BOARD

DVD BOARD

FLASH MEMORY

DOWN LOAD JIG

DC MOTOR DRIVER

EEPROM

IC61
MPEG IC

VIDEO MUTE

OPTION

ADC LRCLK

ADC SCLK

SMI DATA(15)

SMI DATA(14)

SMI DATA(13)

SMI DATA(12)

SMI DATA(11)

SMI DATA(10)

SMI DATA(9)

SMI DATA(8)

SMI DATA(7)

SMI DATA(6)

SMI DATA(5)

SMI DATA(4)

SMI DATA(3)

SMI DATA(2)

SMI DATA(1)

SMI DATA(0)

SMI CLK IN

SMI DQM1

SMI DQM2

SMI WE

SMI CAS

SMI RAS

SMI CS(1)

SMI CS(0)

SMI ADR(13)

SMI ADR(12)

SMI ADR(11)

SMI ADR(10)

SMI ADR(9)

SMI ADR(8)

SMI ADR(7)

SMI ADR(6)

SMI ADR(5)

SMI ADR(4)

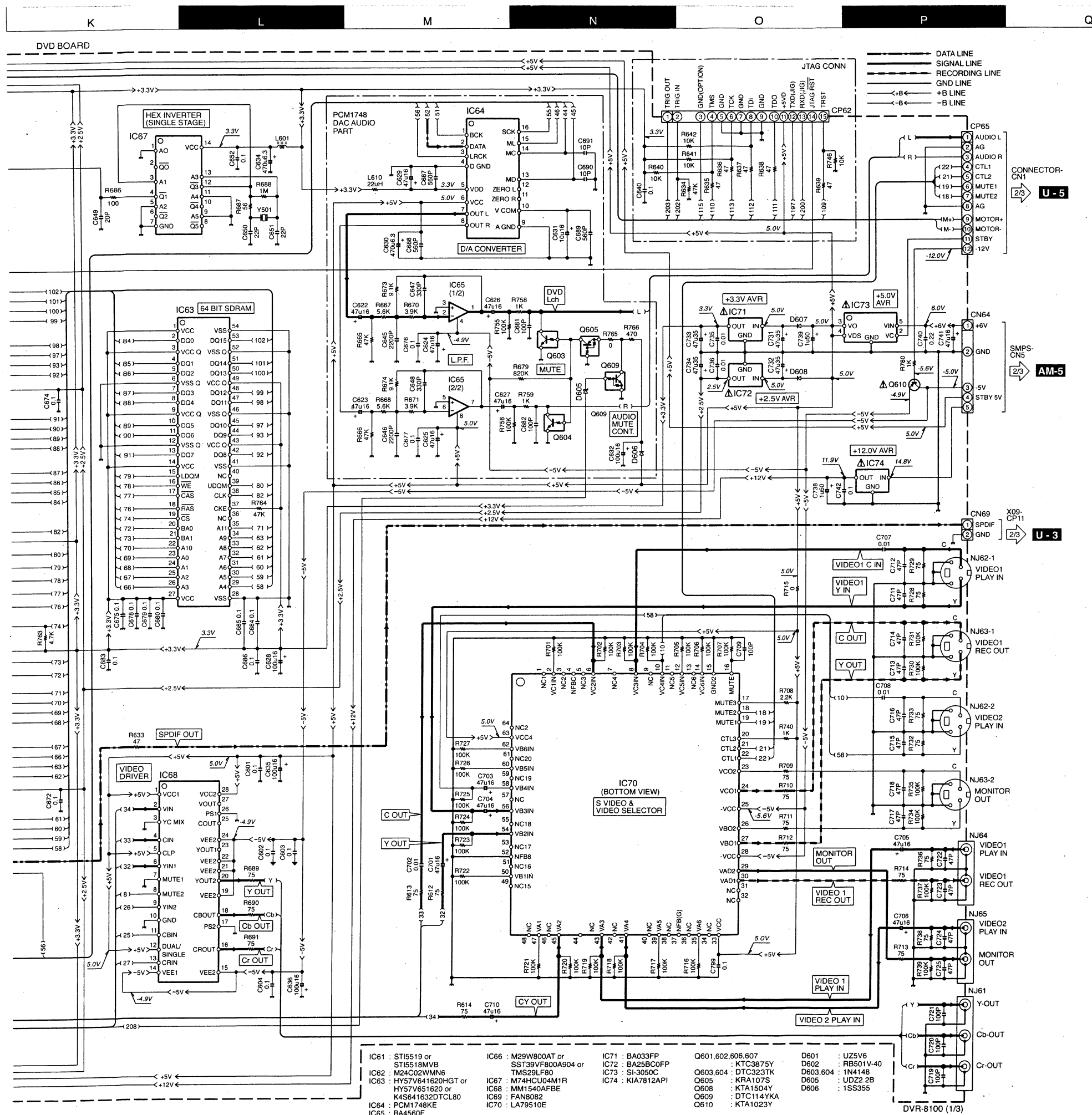
SPDIF OUT

DAC LRCLK

DAC PCM CLK

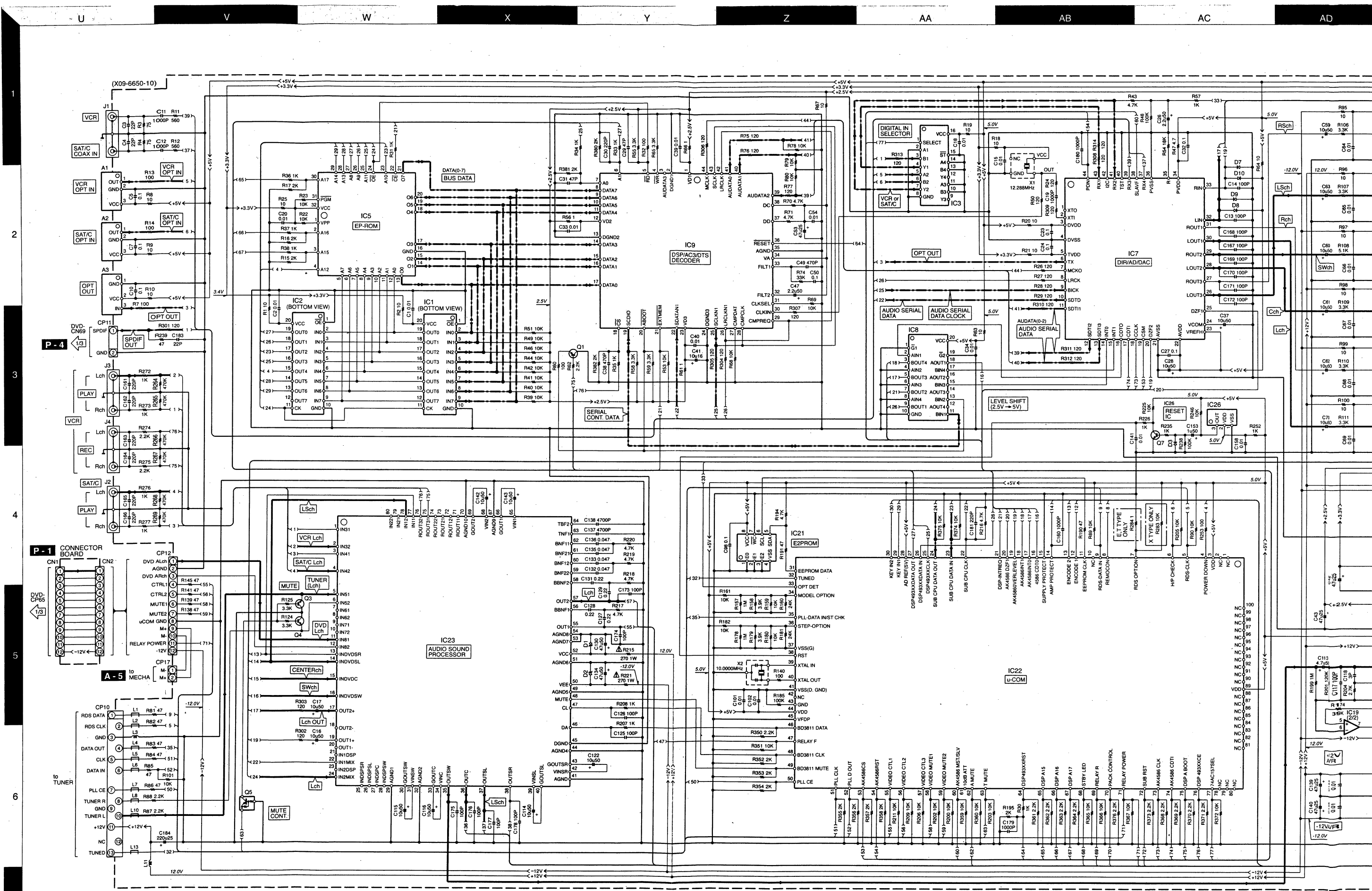
DAC PCM OUT2

DAC PCM OUT1



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.



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The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

AE

AF

AG

AH

AI

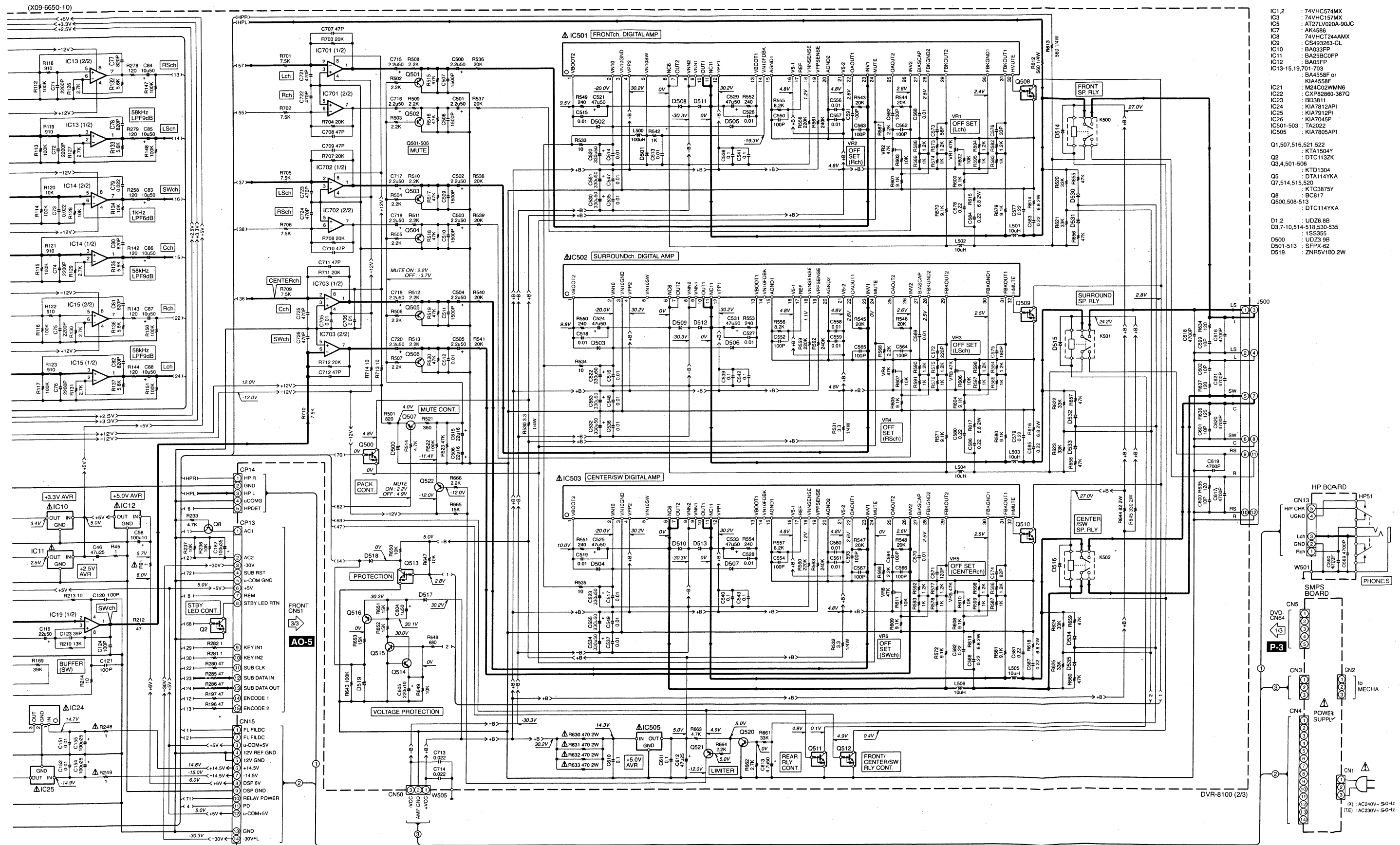
AJ

AK

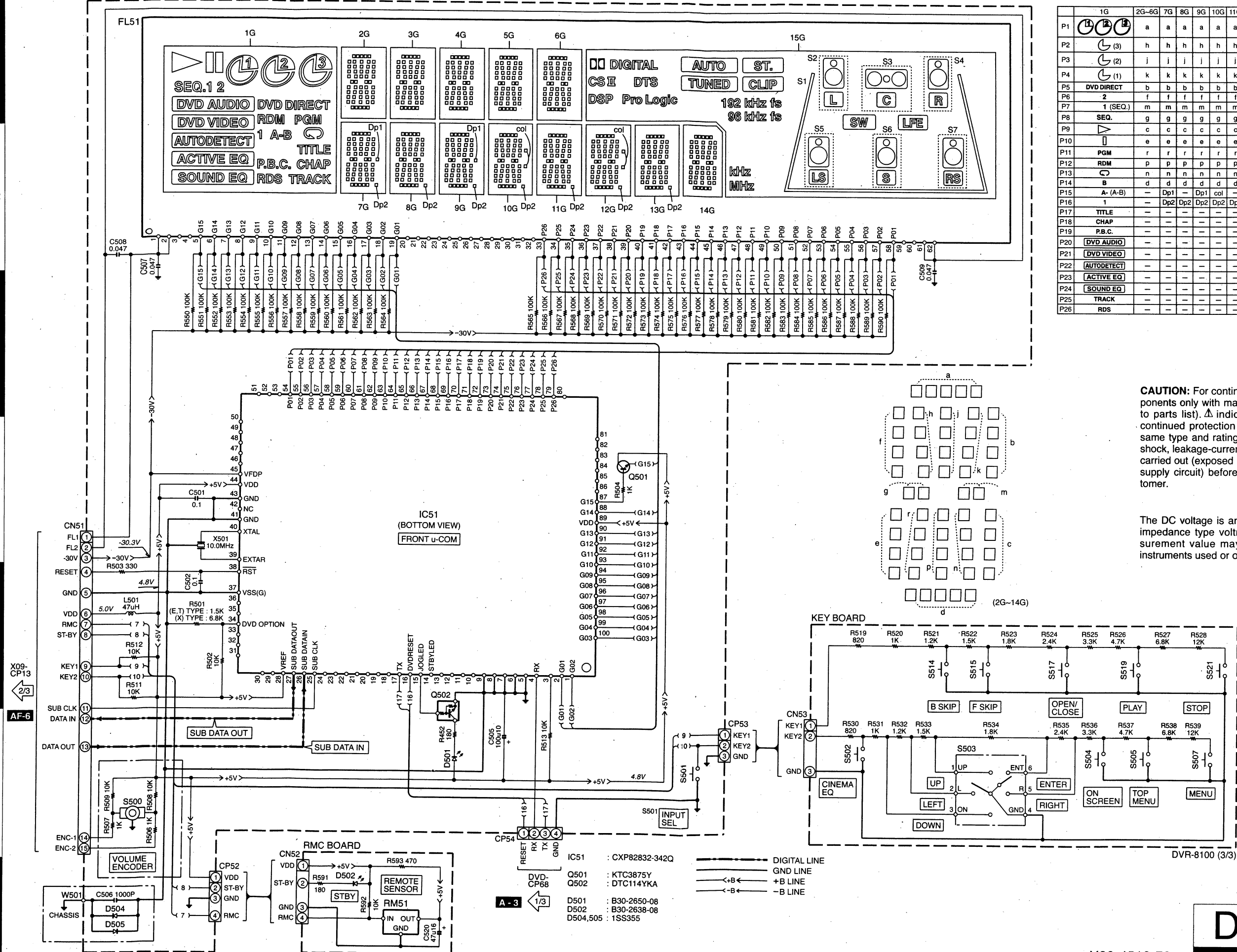
AL

AM

AN



FRONT BOARD

[illegible]

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

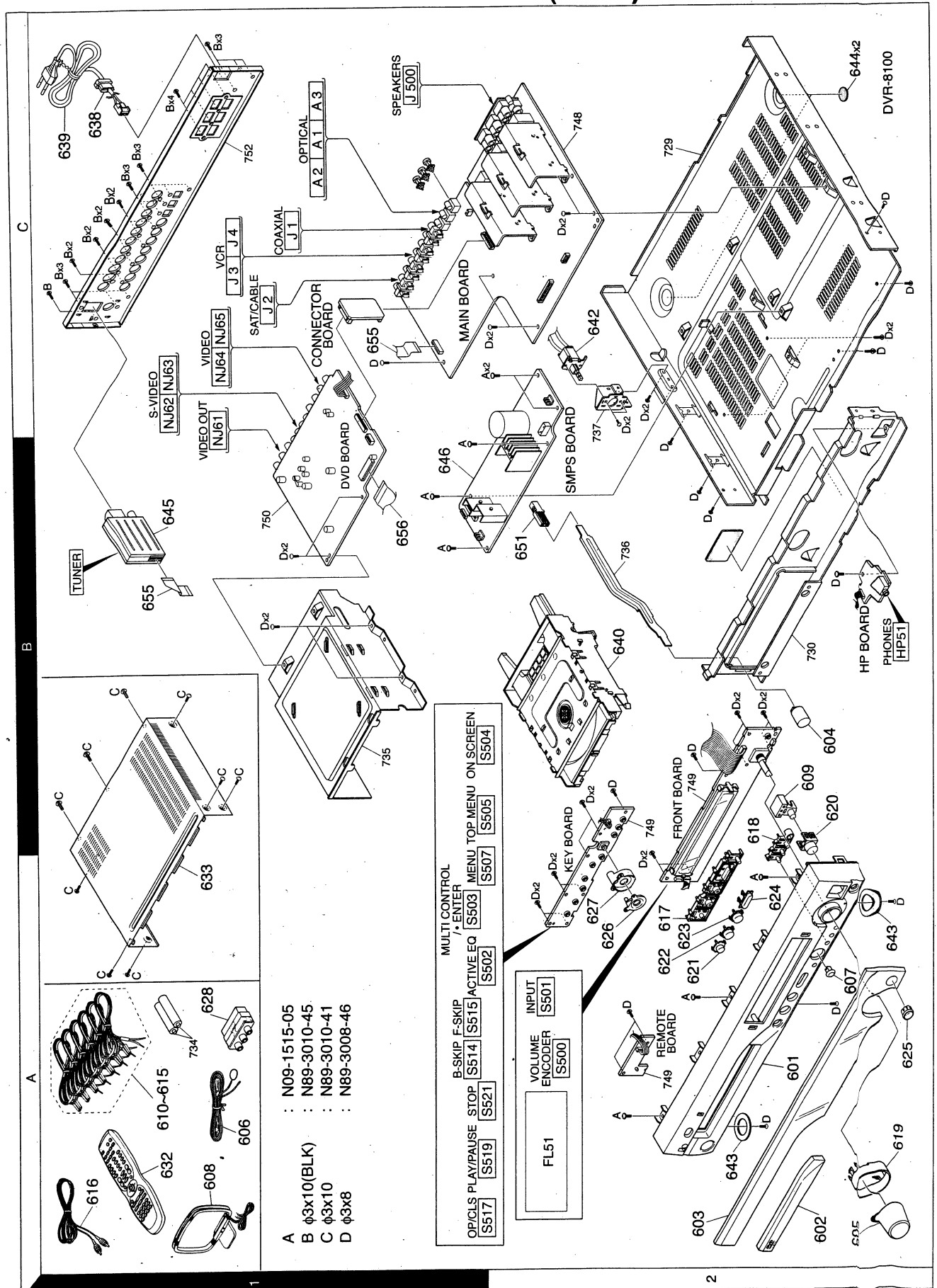
DVR-8100

KENWOOD

Y39-4512-70

DVR-8100

EXPLODED VIEW (UNIT)



Parts with exploded numbers larger than 700 are not supplied.

DVR-8100

PARTS LIST

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

②

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
-	-	-	-	MAT-PKG CUSHIO 5520874A	-	-
-	-	-	-	CPL ENDCAP CUS 55320730	-	-
-	-	-	-	CPL ENDCAP CUS 55320740	-	-
-	-	-	-	SHEET EPE RT22 55135940	-	-
-	-	-	-	CPL BAG RCA 26 55170650	-	-
-	-	-	-	CPL BAG PE CRK 20715540	-	-
-	-	-	-	CPL BAG PE 250 20932750	-	-
-	-	-	-	CPL BAG POLY V 55237020	-	-
-	-	-	-	CPL BAG PE 45 55030950	-	-
-	-	-	-	CARTON BOX DVR 55320750	-	-
-	-	-	-	CARTON DVR-810 55405140	-	-
-	-	-	-	CARTON DVR-810 55405170	-	-
-	-	-	-	FOORE FERRIT M 55091680	-	-

L: Scandinavia
Y: PX(Far East,Hawaii)
Y: AAFES(Europe)
K: USA
T: England
X: Australia
P: Canada
E: Europe
Q: Russia
R: Mexico
G: Germany
H: Korea
C: China
V: China(Shanghai)
M: Other Areas
I: Malaysia
Δ indicates safety critical components.

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①

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
DVR-8100						
601	2A	*	A60-2315-08	DEC CABINET PA 55320430	ET	
601	2A	*	A60-2316-08	DEC CABINET PA 55405130	X	
602	2A	*	A29-1214-08	DEC DOOR TRAY 55320440		
603	2A	*	B10-3932-08	DEC CRYSTAL WL 55320450		
604	2B	*	K29-8261-08	DEC KNOB POWER 55320460		
605	2A	*	K29-8262-08	DEC KNOB VOLUME 5532047A		
606	1A	*	T90-0882-08	ANTENNA WIRE F 55127470		
607	2A	*	K29-8263-08	DEC KNOB MULTI 55320480		
608	1A	*	T90-0896-08	ANTENNA LOOP A 55208620		
609	2B	*	K29-8264-08	DEC BUTTON INP 55320490		
610	1A	*	E30-7265-08	WIRE-CABSP RD 55236710		
611	1A	*	E30-7286-08	WIRE-CABSP WH 55380860		
612	1A	*	E30-7285-08	WIRE-CABSP VT 55380850		
613	1A	*	E30-7283-08	WIRE-CABSP GN 55236730		
614	1A	*	E30-7269-08	WIRE-CABSP GY 55192270		
615	1A	*	E30-7284-08	WIRE-CABSP BL 55380840		
616	1A	*	E30-1427-05	WIRE-CABSP AUD 55192120		
617	2A	*	K29-8265-08	DEC BUTTON 6KE 55320500		
618	2B	*	K29-8266-08	DEC BUTTON 3KE 55320510		
619	2A	*	B07-2861-08	DEC KNOB RING 5532053A		
620	2B	*	B09-0904-08	DEC CAP INPUT 55320540		
621	2A	*	B09-0905-08	DEC BUTTON OPE 55320550		
622	2A	*	B09-0906-08	DEC BUTTON PLA 55320560		
623	2A	*	B09-0907-08	DEC BUTTON STO 55320570		
624	2A	*	B09-0908-08	DEC BUTTON SKI 55320580		
625	2A	*	B09-0909-08	DEC BUTTON RIN 55320590		
626	2A	*	B12-0471-08	MLD INDICATOR 55320600		
627	2A	*	F07-2005-08	DEC COVER INDI 55516080		
628	1A	*	E69-0012-05	CON SCART + RC 55240100		
632	1A	*	A70-1600-08	EPR RCT REMOCO 55395040		
632	1A	*	A70-1601-08	EPR RCT REMOCO 55395140		
633	1A	*	A01-3881-08	PUN COVER TOP 5532068A		
638	1C	*	J42-0350-08	MLD CLAMP AC C 55125180		
639	1C	*	E30-7251-08	WIRE-MCRDM 0.7 55190790		
639	1C	*	E30-7252-08	WIRE-MCRDM 0.7 55190800		
639	1C	*	E30-7253-08	WIRE-MCRDM 0.7 55190820		
640	2B	*	D40-1787-08	OK TVM 502 T 10718640		
642	2C	*	S68-0151-08	SWIPUSH POWER 55344560		
643	2A	*	G11-2923-08	FOOT RUBBER RO 55335210		
644	2C	*	G11-2924-08	FOOT RUBBER RO 55335220		
645	1B	*	W02-2865-08	EPR TUNER MODU 5516113A		
645	1B	*	W02-2866-08	EPR TUNER MODU 5521783A		
646	1B	*	W02-2865-08	ASY SMPS MODUL 55408750		
651	2B	*	J19-6368-08	MLD HOLDER SW 55320640		
655	1B,1C	*	E35-3466-08	FFC-JUMPER,13P 55328220		
656	1B	*	E35-3467-08	FFC-JUMPER,19P 55182940		
-	-	*	B60-5290-08	BOOK INSTR (EN) 55405180		
-	-	*	B60-5291-08	BOOK INSTR (FR) 55405190		
-	-	*	B60-5292-08	BOOK INSTR (GE) 55405200		
-	-	*	B60-5293-08	BOOK INSTR (NE) 55405210		
-	-	*	B60-5294-08	BOOK INSTR (IT) 55405220		
-	-	*	B00-9259-00	BOOK INSTR (CS) 55405240		

L: Scandinavia
Y: PX(Far East,Hawaii)
Y: AAFES(Europe)
K: USA
T: England
X: Australia
P: Canada
E: Europe
Q: Russia
R: Mexico
G: Germany
H: Korea
C: China
V: China(Shanghai)
M: Other Areas
I: Malaysia
Δ indicates safety critical components.

PARTS LIST

* New Parts

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3

Ref. No	New Parts	Parts No.	Destination
MAIN (X09-6650-10/55344180)			
C1,2 C3,4 C5 C7 C10		CK73GB1H103K CC73GCH1H220J CK73GB1C104K CK73GB1C104K CK73GB1C104K	
C11,12 C13,14 C15 C16,17 C18		CC73GCH1H102J CC73GCH1H101J CK73GB1H103K CE04LW1H100M CK73GB1H103K	
C19 C20 C23,24 C26 C27		CC73GCH1H102J CK73GB1H103K CK73GB1C104K CE04LW1H2R2M CK73GB1C104K	
C28 C29 C30 C31 C32		CE04LW1H100M CC73GCH1H470J CK73GB1H221K CC73GCH1H470J CK73GB1C104K	
C33,34 C37 C38 C39,40 C41		CK73GB1H103K CE04LW1H100M CC73GCH1H471J CK73GB1H103K CE04LW1C100M	
C42,43 C46 C47 C49 C50		CE04LW1E470M CE04LW1E470M CE04LW1H2R2M CC73GCH1H471J CK73GB1C104K	
C53 C54 C58 C59-63 C64-69		CE04LW1E470M CK73GB1H103K CE04LW1A101M CE04LW1H100M CK73GB1H103K	
C70 C71,72 C73 C74-76 C77,78		CE04LW1H100M CK73GB1H222K CK73GB1H223K CK73GB1H222K CC73GCH1H821J	
C79 C80-82 C83-88 C98 C101,102		CK73GB1H223K CC73GCH1H821J CE04LW1H100M CK73GB1C104K CK73GB1H103K	
C113 C114-116 C117 C118 C119		CE04LW1H4R7M CE04LW1H100M CC73GCH1H101J CC73GCH1H030C CE04LW1H220M	
C120,121 C122 C123 C124-126 C127-129		CC73GCH1H101J CE04LW1H100M CC73GCH1H390J CC73GCH1H101J CK73GB1C224K	
C130 C131 C132,133 C134 C135,136		CE04LW1H470M CK73GB1C224K CK73GB1H473K CE04LW1H470M CK73GB1H473K	
C137,138 C139,140 C141 C142,143 C144,145		CK73GB1H472K CE04LW1E470M CK73GB1H103K CE04LW1H100M CK73GB1H103K	
C151,152 C153 C154,155 C158 C160		CK73GB1H103K CE04LW1H010M CE04LW1E101M CK73GB1H103K CC73GCH1H102J	
C161-166 C167-178 C179,180 C181 C182		CK73GB1H221K CC73GCH1H101J CC73GCH1H102J CK73GB1H221K CE04LW1V101M	

Ref. No	New Parts	Parts No.	Destination
C183 C184 C500-505 C506 C507-511		CC73GCH1H220J CE04LW1E221M CE04LW1H2R2M CE04LW1C220M CK73GB1H152K	
C512 C513-519 C520 C521 C522,523		CK73GB1H103K CK73GB1H103K CE04LW1H331M CE04LW1H470M CE04LW1H331M	
C524,525 C526-528 C529 C530 C531		CE04LW1H470M CK73GB1H103K CE04LW1H470M CE04LW1H331M CE04LW1H470M	
C532 C533 C534 C535-537 C538-543		CE04LW1H331M CE04LW1H470M CE04LW1H331M CK73GB1H103K C93-1174-05	
C547-549 C550 C551 C552 C553		CK73GB1H103K CC73GCH1H101J CE04LW1H331M CC73GCH1H101J CE04LW1H331M	
C554 C555 C556-561 C562-567 C568-570		CC73GCH1H101J CE04LW1H331M CK73GB1C104K CC73GCH1H101J CK73GB1C104K	
C571 C572 C573 C574 C575		CC73GCH1H121J CK73GB1H221K CC73GCH1H560J CC73GCH1H820J CC73GCH1H181J	
C576 C577-588 C589,590 C591-594 C599-602		CC73GCH1H330J CF92FV1H224J CK73GB1H472K CC73GCH1H101J CC73GCH1H100D	
C604 C605 C610,611 C612 C613		CE04LW1H010M CE04LW1A221M CK73GB1C104K CE04LW1E470M CE04LW1H4R7M	
C615 C616-621 C705,706 C707-712 C713,714		CE04LW1C220M CK73GB1H472K CK73GB1H103K CC73GCH1H470J CK73GB1H223K	
C715-720 C721-726		CE04LW1H2R2M CC73GCH1H470J	
CP10 HP51 J1 J2-4 J500		E41-0824-08 E11-0957-08 E63-1268-05 E63-1269-05 E70-0165-08	
L1,2 L3 L4-8 L10 L11		L92-0089-05 L33-1654-05 L92-0089-05 L92-0089-05 L33-1656-08	
L13 L500 L501-506 X1 X2		L92-0089-05 L33-1655-08 L33-1657-08 L78-0751-05 L77-2355-08	
R1,2 R3,4 R7 R8,9 R10		RK73GB1J100J RK73GB1J750J RK73GB1J101J RK73GB1J100J RK73GB1J100J	
R11,12 R13,14 R15-17 R18-21		RK73GB1J561J RK73GB1J101J RK73GB1J202J RK73GB1J100J	

Ref. No	New Parts	Parts No.	Destination
R22,23 R24 R25		RK73GB1J103J RK73GB1J121J RK73GB1J100J	
R26-29 R30,31 R32 R33-38 R39-42		RK73GB1J121J RK73GB1J102J RK73GB1J101J RK73GB1J102J RK73GB1J103J	
R43 R44 R45 R46 R47		RK73GB1J472J RK73GB1J103J RK73GB2B1R0J RK73GB1J103J RK73GB1J472J	
R48 R49 R50 R51 R53		RK73GB1J104J RK73GB1J103J RK73GB1J121J RK73GB1J103J RK73GB1J103J	
R54 R55 R56 R57 R58,59		RK73GB1J183J RK73GB1J332J RK73GB1J1R0J RK73GB1J102J RK73GB1J332J	
R60 R61 R62 R63 R64		RK73GB1J101J RK73GB1J1R0J RK73GB1J222J RK73GB1J100J RK73GB1J1R0J	
R65 R66 R67 R68,69 R70,71		RK73GB1J332J RK73GB1J1R0J RK73GB1J100J RK73GB1J103J RK73GB1J472J	
R74 R75-77 R78-80 R81-86 R87,88		RK73GB1J333J RK73GB1J121J RK73GB1J103J RK73GB1J470J RK73GB1J222J	
R89,90 R91 R95-100 R106-107 R108		RK73GB1J103J RK73GB2B1R0J RK73GB1J100J RK73GB1J332J RK73GB1J512J	
R109-111 R112-117 R118,119 R120 R121-123		RK73GB1J332J RK73GB1J104J RK73GB1J911J RK73GB1J103J RK73GB1J911J	
R124,125 R126,127 R128 R129-131 R132,133		RK73GB1J332J RK73GB1J272J RK73GB1J103J RK73GB1J272J RK73GB1J562J	
R134 R135-137 R138,139 R140 R141		RK73GB1J103J RK73GB1J562J RK73GB1J470J RK73GB1J101J RK73GB1J470J	
R142-144 R145 R147,148 R150,151 R157		RK73GB1J121J RK73GB1J470J RK73GB1J104J RK73GB1J104J RK73GB1J105J	
R158 R159 R160 R161 R169		RK73GB1J392J RK73GB1J103J RK73GB1J243J RK73GB1J103J RK73GB1J393J	
R174 R178 R179 R180 R181		RK73GB1J393J RK73GB1J105J RK73GB1J392J RK73GB1J103J RK73GB1J243J	
R182 R185 R190,191		RK73GB1J103J RK73GB1J104J RK73GB1J470J	

L : Scandinavia
Y : PX(Far East,Hawaii)
Y : AAFES(Europe)

K : USA
T : England
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G : Germany
H : Korea

C : China
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△ indicates safety critical components.

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Ref. No	New Parts	Parts No.	Desti-nation
R194 R195		RK73GB1J472J RK73GB1J202J	
R196,197 R199 R200 R201 R202,203		RK73GB1J470J RK73GB1J105J RK73GB1J103J RK73GB1J124J RK73GB1J103J	
R204 R205,206 R207,208 R209 R210		RK73GB1J272J RK73GB1J103J RK73GB1J102J RK73GB1J103J RK73GB1J133J	
R211 R212 R213,214 R215 R216-220		RK73GB1J103J RK73GB1J470J RK73GB1J100J RS14KB3A271J RK73GB1J472J	
R221 R225 R226 R233 R235		RS14KB3A271J RK73GB1J103J RK73GB1J102J RK73GB1J472J RK73GB1J102J	
R236,237 R238 R239 R246 R248,249		RK73FB2A103J RK73GB1J104J RK73GB1J470J RK73GB1J103J RK73GB1J1R0J	
R252 R253 R258 R264-269 R272,273		RK73GB1J102J RK73GB1J101J RK73GB1J121J RK73GB1J474J RK73GB1J102J	
R274,275 R276,277 R278,279 R280 R281,282		RK73GB1J222J RK73GB1J102J RK73GB1J121J RK73GB1J470J RK73GB1J1R0J	
R283 R284 R285,286 R301-314 R350		RK73GB1J103J RK73GB1J1R0J RK73GB1J470J RK73GB1J121J RK73GB1J222J	ET X
R351 R352-358 R359,360 R361-364 R365-367		RK73GB1J103J RK73GB1J202J RK73GB1J103J RK73GB1J222J RK73GB1J103J	
R368-371 R372 R372 R373 R373		RK73GB1J222J RK73GB1J103J RK73GB1J202J RK73GB1J222J RK73GB1J222J	
R374,375 R376 R380-382 R501 R502-513		RK73GB1J103J RK73GB1J222J RK73GB1J202J RK73GB1J821J RK73GB1J222J	
R514 R515-520 R521 R522 R523		RK73GB1J472J RK73GB1J473J RK73GB1J361J RK73GB1J104J RK73GB1J473J	
R533-535 R536-541 R542 R543-548 R549		RK73EB2B100J RK73GB1J203J RK73GB1J102J RK73GB1J203J RK73GB1J241J	
R550-554 R555-557 R558-560 R561-563 R567-569		RK73GB1J241J RK73GB1J822J RK73GB1J224J RK73GB1J244J RK73GB1J222J	
R570-572 R573 R574 R575 R576		RK73GB1J912J RK73GB1J122J RK73GB1J102J RK73GB1J122J RK73GB1J102J	

Ref. No	New Parts	Parts No.	Desti-nation
R577 R578 R579-581 R582 R583		RK73GB1J122J RK73GB1J102J RK73GB1J912J RK73GB1J122J RK73GB1J102J	
R584 R585 R586 R587 R588		RK73GB1J122J RK73GB1J102J RK73GB1J122J RK73GB1J102J RK73GB1J122J	
R589 R590 R591 R592 R593		RK73GB1J102J RK73GB1J122J RK73GB1J102J RK73GB1J122J RK73GB1J102J	
R594 R595 R596 R597 R598		RK73GB1J122J RK73GB1J102J RK73GB1J122J RK73GB1J102J RK73GB1J122J	
R599 R600,601 R602,603 R604,605 R606,607		RK73GB1J102J RK73GB1J912J RK73GB1J103J RK73GB1J912J RK73GB1J103J	
R608,609 R610,611 R614-619 R620-625 R630-633		RK73GB1J912J RK73GB1J103J RS14KB3D6R8J RK73GB1J333J RS14KB3D471J	
R634-637 R643 R644 R645 R647		RK73GB1J121J RK73GB1J104J RS14KB3D820J RS14KB3D331J RK73GB1J103J	
R648 R649,650 R651-653 R655-660 R661		RK73GB1J681J RK73GB1J103J RK73GB1J153J RK73GB1J473J RK73GB1J333J	
R662 R663 R664 R665 R666		RK73GB1J272J RK73GB1J472J RK73GB1J222J RK73GB1J153J RK73GB1J222J	
R701,702 R703,704 R705,706 R707,708 R709,710		RK73GB1J752J RK73GB1J203J RK73GB1J752J RK73GB1J203J RK73GB1J752J	
R711,712 R713,714 VR1-6		RK73GB1J203J RK73GB1J100J R12-3688-05	
K500-502		S76-0136-08	
D1,2 D3 D7-10 D500 D501-513		UD26.8B 1SS355 1SS355 UD23.9B SFPX-62	
D514-518 D519 D530-535 IC1,2 IC3		1SS355 ZNR5V1B0.2W 1SS355 74VHC574MX 74VHC157MX	
IC5 IC7 IC8 IC9 IC10		AT27LV020A-90JC AK4586 74VHC244AMX CS493263-CL BA033FP	
IC11 IC12 IC13-15 IC13-15 IC19		BA25BC0FP BA05FP BA4558F KIA4558F BA4558F	
IC19		KIA4558F	

Ref. No	New Parts	Parts No.	Desti-nation
IC21 IC22 IC23 IC24 IC25		M24C02WMN6 CXP82860-367Q BD3811(7) KIA7812API KIA7912PI	
IC26 IC501-503 IC505 IC701-703 IC701-703		KIA7045P TA2022 KIA7805API BA4558F KIA4558F	
Q1 Q2 Q3,4 Q5 Q7		KTA1504Y DTC113ZK KTD1304 DTA114YKA KTC3875Y	
Q8 Q500 Q501-506 Q507 Q508-513		BC817 DTC114YKA KTD1304 KTA1504Y DTC114YKA	
Q514 Q515 Q516 Q520 Q521,522		KTC3875Y KTC3875Y KTA1504Y KTC3875Y KTA1504Y	
A1,2 A3		W02-2716-05 W02-2717-05	
FRONT (553344200)			
D501 D502		B30-2650-08 B30-2636-08	
C501,502 C505 C506 C507-509 C520		CK73GB1C104K CE04LW1A101M CC73GCH1H102J CK45FB1H473Z CE04LW1C470M	
L501 X501		L33-1658-08 L77-2355-08	
R452 R501 R501 R502 R503		RK73GB1J181J RK73GB1J152J RK73GB1J682J RK73GB1J103J RK73GB1J331J	ET X
R504 R506,507 R508,509 R511-513 R519		RK73GB1J102J RK73GB1J102J RK73GB1J103J RK73GB1J103J RK73GB1J821J	
R520 R521 R522 R523 R524		RK73GB1J102J RK73GB1J122J RK73GB1J152J RK73GB1J182J RK73GB1J242J	
R525 R526 R527 R528 R529		RK73GB1J332J RK73GB1J472J RK73GB1J682J RK73GB1J123J RK73GB1J183J	
R530 R531 R532 R533 R534		RK73GB1J821J RK73GB1J102J RK73GB1J122J RK73GB1J152J RK73GB1J182J	
R535 R536 R537 R538 R539		RK73GB1J242J RK73GB1J332J RK73GB1J472J RK73GB1J682J RK73GB1J123J	
R550-590 R591 R592 R593		RK73GB1J104J RK73GB1J181J RK73GB1J103J RK73GB1J471J	
S500 S501,502 S503		T99-0668-08 S70-0087-08 S70-0104-08	

L : Scandinavia K : USA P : Canada R : Mexico C : China
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Δ indicates safety critical component s.

DVR-8100

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Ref. No	New Parts	Parts No.	Destination
S504,505 S507 S514,515 S517 S519		S70-0087-08 S70-0087-08 S70-0087-08 S70-0087-08 S70-0087-08	
S521		S70-0087-08	
D504,505 FL51 IC51	* *	1SS355 15-BT-85GNK CXP82832-342Q	
Q501 Q502 RM51		KTC3875Y DTC114YKA W02-2935-08	
DVD (55344210)			
C601-604 C607-610 C611 C612-615 C616,617		CK73GB1C104K CK73GB1C104K CE04LW1H010M CE04LW1C101M CE04LW1C470M	
C618 C619 C620 C621 C622-627		CE04LW1C101M CE04LW1H010M CE04LW1C101M CE04LW0J471M CE04LW1C470M	
C628 C629 C630 C631 C632,633		CE04LW1C101M CE04LW1C470M CE04LW0J471M CE04LW1C100M CE04LW1C101M	
C634 C635,636 C637 C638 C639		CE04LW0J471M CE04LW1C101M CE04LW1H010M CE04LW1C100M CE04LW1C101M	
C640 C641 C642-644 C645,646 C647,648		CK73GB1C104Z CC73GCH1H471J CK73GB1C104K CK73GB1H222K CC73GCH1H331J	
C649 C650,651 C652-654 C655,656 C657,658		CC73GCH1H200J CC73GCH1H220J CK73GB1C104K CK73GB1H103K CK73GB1C104K	
C659 C660-663 C664 C665 C666-668		CK73GB1H103K CC73GCH1H100D CK73GB1C104K CK73GB1H103K CK73GB1C104K	
C669,670 C671-680 C681,682 C683-686 C687-689		CC73GCH1H680J CK73GB1C104K CC73GCH1H101J CK73GB1C104K CC73GCH1H561J	
C690,691 C692-694 C695,696 C697 C701		CC73GCH1H100D CK73GB1C104K CC73GCH1H102J CK73GB1C104K CE04LW1C470M	
C702 C703-706 C707,708 C709 C710		CK73GB1H103K CE04LW1C470M CK73GB1H103K CC73GCH1H101J CE04LW1C470M	
C711-718 C719-721 C722-725 C731-734 C735,736		CC73GCH1H470J CC73GCH1H101J CC73GCH1H470J CE04LW1C470M CK73GB1C104K	
C737-739 C740 C741 C742 C799		CE04LW1H010M CK73GB1C224K CE04LW1C470M CK73GB1C104K CK73GB1C104K	
CP60 NJ61	* *	E41-0800-08 E63-1310-08	

Ref. No	New Parts	Parts No.	Destination
NJ62,63 NJ64,65	* *	E63-1309-08 E56-0052-08	
L601 L602 L603-605 L606 L607		L32-1047-08 L90-0361-08 L90-0363-08 L32-1047-08 L32-1047-08	
L608 L609 L610 L611 Y501		L32-1047-08 L90-0363-08 L90-0361-08 L32-1047-08 L77-2326-08	
R601-611 R612-614 R615-618 R619-624 R625-633		R90-1333-08 RK73GB1J750J RK73GB1J470J RK73GB1J331J RK73GB1J470J	
R634 R635 R636-639 R640-642 R643,644		RK73GB1J473J RK73GB1J470J RK73GB1J470J RK73GB1J103J RK73GB1J472J	
R646 R647 R648 R649,650 R651		RK73GB1J000J RK73GB1J472J RK73GB1J103J RK73GB1J470J RK73GB1J100J	
R652,653 R654,655 R656,657 R658,659 R660,661		RK73GB1J470J RK73GB1J182J RK73GB1J101J RK73GB1J103J RK73GB1J470J	
R662 R663,664 R665,666 R667,668 R669		RK73GB1J103J RK73GB1J470J RK73GB1J473J RK73GB1J562J RK73GB1J470J	
R670,671 R672 R673,674 R675-678 R679		RK73GB1J392J RK73GB1J470J RK73GB1J912J RK73GB1J470J RK73GB1J824J	
R680-682 R683,684 R685 R686 R687		RK73GB1J470J RK73GB1J103J RK73GB1J470J RK73GB1J101J RK73GB1J560J	
R688 R689-691 R692 R693 R694		RK73GB1J105J RK73GB1J750J RK73GB1J473J RK73GB1J472J RK73FB2A274J	
R695-698 R699 R700 R701-707 R708		R90-1333-08 RK73GB1J562J RK73GB1J103J RK73GB1J104J RK73GB1J222J	
R709-714 R715 R716-727 R728,729 R730,731		RK73GB1J750J RK73GB1J000J RK73GB1J104J RK73GB1J750J RK73GB1J104J	
R732,733 R734,735 R736 R737 R738		RK73GB1J750J RK73GB1J104J RK73GB1J750J RK73GB1J104J RK73GB1J750J	
R739 R740 R741 R742 R743		RK73GB1J104J RK73GB1J102J RK73GB1J683J RK73GB1J473J RK73FB2A2002F	
R744 R745 R746,747 R748		RK73FB2A2002F RK73GB1J472J RK73GB1J103J RK73GB1J100J	

Ref. No	New Parts	Parts No.	Destination
R749 R750,751 R752 R753,754 R755,756		RK73GB1J103J RK73GB1J750J RK73GB1J103J RK73GB1J470J RK73GB1J104J	
R757 R758,759 R760-763 R764 R765		RK73GB1J470J RK73GB1J102J RK73GB1J472J RK73GB1J473J RK73GB1J000J	
R766 R767-769 R770 R771,772 R773-775		RK73GB1J471J RK73GB1J470J RK73GB1J473J RK73GB1J471J RK73GB1J103J	
R776,777 R778 R779 R780 R782,783		RK73GB1J220J RK73GB1J562J RK73GB1J182J RK73GB1J102J RK73GB1J000J	
D601 D602 D603,604 D605 D606		UZ5V6 RB501V-40 1N4148 UDZ2.2B 1SS355	
D607,608 IC61 IC61 IC62 IC63	* *	JUMPER STI5518MVB STI5519 M24C02WMN6 HY57V641620HGT	
IC63 IC63 IC64 IC65 IC66		HY57V651620 KS641632DTC180 PCM1748KE BA4560F M29W800AT	
IC66 IC66 IC67 IC68 IC69		SST39VF800A904 TMS29LF80 M74HCU04M1R MM1540AFBE FAN8082	
IC70 IC71 IC72 IC73 IC74	* *	LA79510E BA033FP BA25BC0FP SI-3050C KIA7812API	
Q601,602 Q603,604 Q605 Q606,607 Q608		KTC3875Y DTC323TK KRA107S KTC3875Y KTA1504Y	
Q609 Q610		DTC114YKA KTA1023Y	

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Y: AAFES(Europe) X: Australia Q: Russia H: Korea M: Other Areas

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△ indicates safety critical component

DVR-8100

SPECIFICATIONS

Main unit

[Amplifier section]

Effective output power during STEREO operation	
1 kHz, 10 % T.H.D. at 6 Ω	75 W + 75 W
Effective output power during SURROUND operation	
Front (1 kHz, 10 % T.H.D. at 6 Ω)	75 W + 75 W
Center (1 kHz, 10 % T.H.D. at 6 Ω)	75 W
Subwoofer (100 Hz, 10 % T.H.D. at 6 Ω)	75 W
Surround (1 kHz, 10 % T.H.D. at 6 Ω)	75 W + 75 W
Input sensitivity / impedance	
VCR / SAT / CABLE	480 mV / 68 k Ω
Output level / impedance	
VCR	480 mV / 1 k Ω

[Tuner section]

FM tuner section	
Tuning frequency range	87.5 MHz ~ 108 MHz
AM tuner section	
Tuning frequency range (for U.K., Europe and Australia)	531 kHz ~ 1,602 kHz
Tuning frequency range (for other countries)	531 kHz ~ 1,602 kHz / 530 kHz ~ 1,610 kHz

[DVD/CD/VIDEO CD player section]

Laser	Semiconductor laser
When playing a DVD :	
Laser wave length	635 ~ 665 nm
Laser power class	Class 2 (IEC)
When playing a CD :	
Laser wave length	770 ~ 810 nm
Laser power class	Class 3A (IEC)
Wow & Flutter	Less than unmeasurable Limit
Video output format	NTSC/PAL



1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. Sufficient performance may not be possible at very low temperatures (0°C or less).

VIDEO OUTPUT

Composite video output level/impedance	1 Vp-p (75 Ω)
S-video output	
Y output level/impedance	1 Vp-p (75 Ω)
C output level/impedance	
NTSC	0.286 Vp-p (75 Ω)
PAL	0.3 Vp-p (75 Ω)
Component video output	
Y output level/impedance	1 Vp-p (75 Ω)
Ca output level/impedance	0.7 Vp-p (75 Ω)
Cr output level/impedance	0.7 Vp-p (75 Ω)
Compression format	MPEG1/MPEG2

[DIGITAL AUDIO section]

Sampling frequency	32 kHz, 44.1 kHz, 48 kHz
Input level/impedance/wave length	
Optical	-15 dBm ~ 21 dBm (660 nm \pm 30 nm)
Coaxial	0.6 Vp-p (75 Ω)
Digital output	-15 dBm ~ 21 dBm (Wave length 660 nm)

[General]

Power consumption	75 W (for U.K.) 75 W (for other countries)
Dimensions	W: 400 mm H: 78 mm D: 390 mm
Weight (net)	5.3 kg

Note:

Component and circuit are subject to modification to insure best operation under differing local conditions. This manual is based on Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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